

MULTIPLE GEARING SWITCH DEVICE

ABSTRACT OF THE DISCLOSURE

A gearing switch device includes a switch assembly that is switched to one of positions to engage one of the gears in an idle gear set with an input gear and a transferring gear of a speed reduction device. The transferring gear drives a ring gear that is engaged with planetary gears device connected to one side of a disk and an output gear is connected to the other side of the disk. By the different types of engagement between the gears of the idle gear set and the transferring gear, the speed of the disk is changeable so as to have desired output torque.